ELSEVIER

Geoderma 95 (2000) 325–326

GEODERMA

Contents Volume 95, 2000

Research Papers

Effects of human disturbance and cryoturbation on soil iron and organic matter distributions and on carbon storage at high elevations in the Cairngorm Mountains, Scotland
I.C. Grieve 1

The use of quantified structural descriptors to physically characterise stockpiled milled peat of different genetic origins
S.J. Mooney, N.M. Holden, S.M. Ward and J.F. Collins 15

The influence of tillage on semi-arid soil–water regimes in Zimbabwe
S.J. Twomlow and P.M.C. Bruneau 33

The role of soil-forming processes in the definition of taxa in Soil Taxonomy and the World Soil Reference Base
J.G. Bockheim and A.N. Gennadiyev 53

Estimating the second-stage sample size and the most probable number of hot spots from a first-stage sample of heavy-metal contaminated soil
C.K. Hsiao, K.-W. Juang and D.-Y. Lee 73

A geostatistical extension of the sectioning procedure for disaggregating soil information to the scale of functional models of soil processes
R.M. Lark 89

Processes influencing the chemical composition of the O-horizon of podzols along a 500-km north–south profile from the coast of the Barents Sea to the Arctic Circle
C. Reimann, D. Banks and G. Kashulina 113

Effects of fire on soil organic matter in a ''cerrado sensu-stricto'' from Southeast Brazil as revealed by changes in $\delta^{13}C$
R. Roscoe, P. Buurman, E.J. Velthorst and J.A.A. Pereira 141

Forms and profile distribution of soil phosphorus in alpine Inceptisols and Spodosols (Pyrenees, France)
N. Cassagne, M. Remaury, T. Gauquelin and A. Fabre 161

Book Reviews 173

Erratum

Reply by J.J. Ibañez, A. Saldaña, S. De-Alba and J. Camargo [Geoderma 83 (1998) 206–214]
J.J. Ibañez, A. Saldaña, S. De-Alba and J. Camargo 177

Research Papers

Mass-balance reconstruction of a modern Vertisol: implications for interpreting the geochemistry and burial alteration of paleo-Vertisols
S.G. Driese, C.I. Mora, C.A. Stiles, R.M. Joeckel and L.C. Nordt 179

Ammonium in solution of flooded West African soils
L.T. Narteh and K.L. Sahrawat 205

Modeling the pore structure and shrinkage curve of soil clay matrix
V.Y. Chertkov 215
Influence of inheritance and pedogenesis on heavy metal distribution in soils of Sicily, Italy
B. Palumbo, M. Angelone, A. Bellanca, C. Dazzi, S. Hauser, R. Neri and J. Wilson 247
The relationships between MR parameters and the content of water in packed samples of two soils
J. Votrubová, M. Šanda, M. Císlerová, M.H. Gao Amin and L.D. Hall 267
Soil formation in coastal continental Antarctica (Wilkes Land)
L. Beyer, K. Pingpank, G. Wriedt and M. Bölter 283
Estimation of sorptivity from disc-permeameter measurements
B. Minasny and A.B. McBratney 305

Contents Volume 95, 2000 325